

Amendment to the Claims

Listing of Claims:

1 1. (Previously presented) A compound having the formula:



2 wherein

3 Ab is an antibody;

4 G is an intact glycosyl linking group covalently joining Ab to L;

5 L is a bond or a spacer moiety covalently joining G to T; and

6 T is a toxin, wherein

7 said spacer moiety is a member selected from substituted or unsubstituted alkyl, substituted or
8 unsubstituted heteroalkyl and substituted or unsubstituted aryl moieties.

1 2. (Cancelled)

1 3. (Previously presented) The compound according to claim 1, wherein said spacer moiety
2 comprises a poly(ethylene glycol) moiety.

1 4. (Previously presented) A compound having the formula:



2 wherein

3 Ab is an antibody;

4 G is an intact glycosyl linking group covalently joining Ab to L;

5 L is a spacer moiety covalently joining G to T; and

6 T is a toxin, wherein L has the formula:



7 wherein

8 L¹ is a bond or a linker moiety covalently joining G to A;

9 A is an amplifier moiety; and

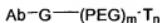
10 L² is a bond or a spacer moiety covalently adjoining A to T.

11 5. (Original) The compound according to claim 4, wherein said amplifier moiety is a polyamine
12 moiety.

Reply to final Office Action dated January 21, 2009

1 6. (Original) The compound according to claim 5, wherein said polyamine moiety is a dendrimer.

1 7. (Previously presented) The compound according to claim 4, having the formula:



2

3 wherein

4 PEG is a straight- or branched-chain poly(ethylene glycol);

5 m is an integer from 1 to 6; and

6 n is an integer from 1 to 1,000.

1 8. (Previously presented) The compound according to claim 4, having the formula:

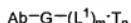


2 wherein

4 m is an integer from 1 to 6; and

5 n is an integer from 1 to 1,000.

1 9. (Previously presented) The compound according to claim 4, having the formula:

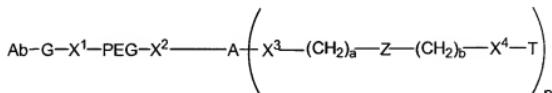


2 wherein

4 m is an integer from 1 to 6; and

5 n is an integer from 1 to 1,000.

1 10. (Currently amended) A compound having the formula:



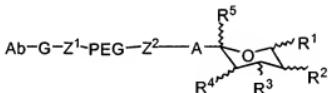
2 wherein

4 X^1 , X^2 , X^3 , and X^4 are linking groups and are members selected from the group consisting
5 of O, S, NH, $(CH_2)_q-NH$, $NH-(CH_2)_q$, $NH-C(O)-O$, $O-C(O)-NH$,
6 $(CH_2)_q-NH-C(O)-O$, $O-C(O)-NH-(CH_2)_q$, $C(O)-O$, $O-C(O)$, $(CH_2)_q-NH-C(O)$,
7 $C(O)-NH-(CH_2)_q$, $NH-C(S)$, and $C(S)-NH$

8 and wherein

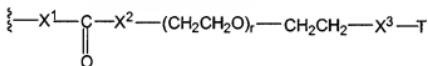
9 Ab is an antibody;
10 G is an intact glycosyl linking group covalently joining Ab to X¹ L;
11 T is a toxin;
12 A is an amplifier moiety;
13 Z is a bond cleaved by a metabolic/physiological process;
14 n is an integer from 1 to 1,000;
15 a is an integer from 1 to 10;
16 b is an integer from 1 to 10; and
17 q is an integer from 0 to 20.

1 11. (Currently amended) A compound having the formula:



wherein

at least one of R^1, R^2, R^3, R^4, R^5 , is :



wherein

Ab is an antibody;

G is an intact glycosyl linking group covalently joining Ab to Z¹ L;

T is a toxin;

r is an integer from 1 to 2,500;

A is an amplifier moiety;

Z^1 is selected from the group consisting of O, S, and NH;

Z^2 is selected from the group consisting of NH_2 and $\text{NH}-(\text{CH}_2)_q$;

and

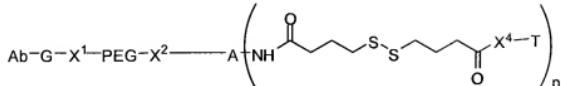
X^1 , X^2 and X^3 are linking groups and are members selected from the group consisting of O, S, NH, $(CH_2)_q$ -NH, $NH-(CH_2)_q$, NH-C(O)-O, O-C(O)-NH, $(CH_2)_q$ -NH-C(O)-O, O-C(O)-NH- $(CH_2)_q$, C(O)-O, O-C(O), $(CH_2)_q$ -NH-C(O), C(O)-NH- $(CH_2)_q$, NH-C(S), and C(S)-NH

wherein

Reply to final Office Action dated January 21, 2009

20 n is an integer from 1 to 1,000; and
 21 q is an integer from 0 to 20.

1 12. (Currently amended) A compound having the formula:



3 wherein

4 X¹, X² and X⁴ are linking groups and are members selected from the group consisting of
 5 O, S, NH, (CH₂)_qNH, NH-(CH₂)_q, NH-C(O)-O, O-C(O)-NH,
 6 (CH₂)_q-NH-C(O)-O, O-C(O)-NH-(CH₂)_q, C(O)-O, O-C(O), (CH₂)_q-NH-C(O),
 7 C(O)-NH-(CH₂)_q, NH-C(S), and C(S)-NH

8 wherein

9 Ab is an antibody;

10 G is an intact glycosyl linking group covalently joining Ab to X¹ L;

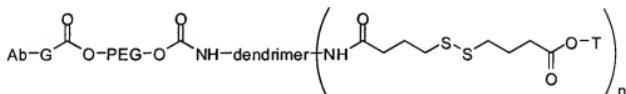
11 T is a toxin;

12 A is an amplifier moiety;

13 n is an integer from 1 to 1,000; and

14 q is an integer from 0 to 20.

1 13. (Previously presented) The compound according to claim 12, having the formula:



3 wherein

4 n is an integer from 1 to 1,000.

1 14. (Withdrawn) A compound having the formula:



3 wherein

4 S is a nucleotide sugar

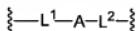
5 L is a bond or a spacer moiety covalently joining S to T; and

6 T is a toxin moiety.

1 15. (Withdrawn) The compound according to claim 14, wherein said spacer moiety is a member
2 selected from substituted or unsubstituted alkyl, substituted or unsubstituted heteroalkyl and substituted or
3 unsubstituted aryl moieties.

1 16. (Withdrawn) The compound according to claim 15, wherein said spacer moiety comprises a
2 poly(ethylene glycol) moiety.

1 17. (Withdrawn) The compound according to claim 14, wherein L has the formula:



2 wherein

3 L^1 is a bond or a spacer moiety covalently joining S to A;

4 A is an amplifier moiety; and

5 L^2 is a bond or a spacer moiety covalently joining A to T.

1 18. (Withdrawn) The compound according to claim 17, wherein said amplifier moiety is a polyamine
2 moiety.

1 19. (Withdrawn) The compound according to claim 18, wherein said polyamine moiety is a
2 dendrimer.

1 20. (Withdrawn) The compound according to claim 17, having the formula:



2 wherein

3 PEG is a straight- or branched-chain poly(ethylene glycol);

4 m is an integer from 1 to 6; and

5 n is an integer from 1 to 1,000.

1 21. (Withdrawn) The compound according to claim 17, having the formula:

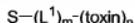


2 wherein

3 m is an integer from 1 to 6; and

4 n is an integer from 1 to 1,000.

1 22. (Withdrawn) The compound according to claim 17, having the formula:

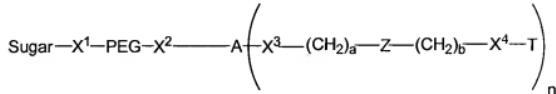


3 wherein

4 m is an integer from 1 to 6; and

5 n is an integer from 1 to 1,000.

1 23. (Withdrawn) The compound according to claim 22, having the formula:



2 wherein

3 X¹, X² and X³ are linking groups and are members selected from the group consisting of
4 O, S, NH(CH₂)_q-NH, NH-(CH₂)_q, NH-C(O)-O, O-C(O)-NH, (CH₂)_q-NH-C(O)-O,
5 O-C(O)-NH-(CH₂)_q, C(O)-O, O-C(O), (CH₂)_q-NH-C(O), C(O)-NH-(CH₂)_q,
6 NH-C(S), and C(S)-NH

7 and wherein

8 A is an amplifier moiety;

9 Z is a bond cleaved by a metabolic/physiological process;

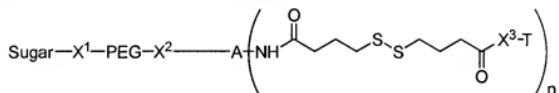
10 n is an integer from 1 to 1,000;

11 a is an integer from 1 to 10;

12 b is an integer from 1 to 10; and

13 q is an integer from 0 to 20.

14 24. (Withdrawn) The compound according to claim 14, having the formula:



2 wherein

3 X¹, X² and X³ are linking groups and are members selected from the group consisting of
4 O, S, NH(CH₂)_q-NH, NH-(CH₂)_q, NH-C(O)-O, O-C(O)-NH, (CH₂)_q-NH-C(O)-O,
5 O-C(O)-NH-(CH₂)_q, C(O)-O, O-C(O), (CH₂)_q-NH-C(O), C(O)-NH-(CH₂)_q,
6 NH-C(S), and C(S)-NH

7 wherein

8 q is an integer from 0 to 20.

1 25. (Withdrawn) The compound according to claim 24, having the formula:

2

